

=> d his

(FILE 'HOME' ENTERED AT 16:34:38 ON 20 JUN 2003)

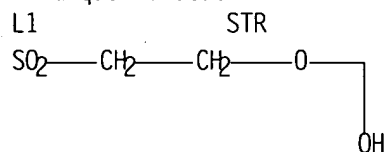
FILE 'REGISTRY' ENTERED AT 16:34:46 ON 20 JUN 2003

L1 STRUCTURE UPLOADED
L2 50 S L1
L3 STRUCTURE UPLOADED
L4 0 S L1 NOT L3
L5 2 S L4 FULL

FILE 'CAPLUS' ENTERED AT 16:38:11 ON 20 JUN 2003

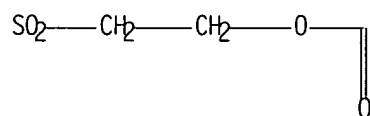
L6 2 S L5

=> d que 16 stat



Structure attributes must be viewed using STN Express query preparation.

L3 STR



Structure attributes must be viewed using STN Express query preparation.

L5 2 SEA FILE=REGISTRY SSS FUL L1 NOT L3

L6 2 SEA FILE=CAPLUS ABB=ON PLU=ON L5

=> d 1-2 ibib iabs hitstr

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1973:506097 CAPLUS

DOCUMENT NUMBER: 79:106097

TITLE: Simultaneous introduction of quaternary ammonium salt residues and sulfone residues into fibrous cellulose

INVENTOR(S): Rowland, Stanley P.

PATENT ASSIGNEE(S): United States Dept. of Agriculture

SOURCE: U.S., 3 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3749552	A	19730731	US 1970-96608	19701209
PRIORITY APPLN. INFO.:			US 1970-96608	19701209

ABSTRACT:

Cellulosic textiles with the capability for creasing and crease removal by ironing were manufd. by introducing quaternary ammonium residues as internal catalysts and sulfone residues as crosslinking agents by treatment with 3-chloro-2-hydroxypropyltrimethylammonium chloride (I) [3327-22-8] or glycidyl trimethylammonium chloride [3033-77-0] and divinyl sulfone (II) [77-77-0] or divinyl sulfone generators and alkali metal bases. Cotton fabric was treated with a bath contg. I 18.8, II 11.8, K carbonate [584-08-7] 13.8, and H₂O 55.4 g. cured 11 min at 140.deg., washed, and dried to give a product contg. 0.32% N and 0.89% S and which had increased conditioned and wet wrinkle recovery.

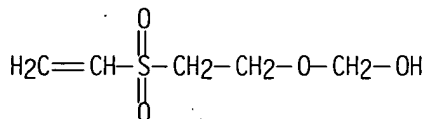
IT 42578-62-1

RL: USES (Uses)

(cotton textiles treated with, in reversible creasing)

RN 42578-62-1 CAPLUS

CN Methanol, [2-(ethenylsulfonyl)ethoxy]- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1963:3700 CAPLUS
 DOCUMENT NUMBER: 58:3700
 ORIGINAL REFERENCE NO.: 58:623f-h
 TITLE: Improving crease resistance of cellulosic textiles
 PATENT ASSIGNEE(S): Traitements Chimiques des Textiles
 SOURCE: 11 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1299612		19620727	FR	19610612

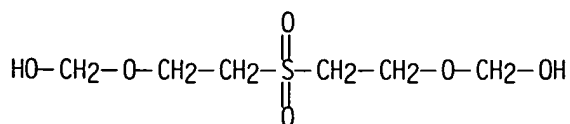
ABSTRACT:

The impregnation of cellulose fibers with (ROC₂H₄)₂SX, where R = H, X = O₂ (I); R = H, X = O (II), or R = Me, X = O₂ (III), in the presence of an alk. compd., drying, and heating at 100-200.degree. gives improved crease resistance, either dry or damp. Thus, a mercerized cotton poplin with crease angles of 45.degree. (warp) 40.degree. (woof) dry; 80.degree. (warp) 75.degree. (woof) damp was soaked in a soln. contg. I 100 and K₂CO₃ 35 g./l., wrung to contain an equiv. wt. soln., dried, and heated 15 min. at 145.degree.. The product, after being washed, dried, and conditioned for 24 hrs. at 65% humidity and 20.degree., had crease angles of 120.degree. (warp) 115.degree. (woof) dry; 145.degree. (warp) 140.degree. (woof) damp. Similar improvements in crease angles were obtained by pretreatment with 40 g./l. poly(vinyl alc.) or addn. of 50 g. Solvitose HDF, or by using II instead of I and heating for 3 min. at 160.degree.. Permanent embossing was produced by passing the dry (12-15% H₂O), impregnated cloth at 10 m./min. through a honeycomb calender, the roller of which was at 200%, and heating for 3 min. at 160.degree.. A satisfactory product was obtained by impregnation to 80% by wt. with a soln. contg. III 150, polyethylene glycol 600E 25, and K₂CO₃ 50 g./l., drying, and heating for 5 min. at 140.degree.. Fr. 1,299,613; 9 pp. The cloth can be impregnated with analogs in which R is a mineral acid residue, e.g. SO₂(ONa), X = O₂ (IV), and then treated with alkali. Thus, cotton poplin is fulled in a soln. contg. 300 g. IV/l., wrung to contain 65% by wt. soln., dried, and passed through 15.degree. Be. NaOH for 2 min. at room temp. After being rinsed, neutralized, and dried, the crease angles of the cloth were 80.degree. (warp) 70.degree. (woof) dry; 155.degree. (warp) 150.degree. (woof) damp.

IT 92876-12-5. Methanol. [sulfonylbis(ethyleneoxy)]di-
 (in creaseproofing cellulose textiles)

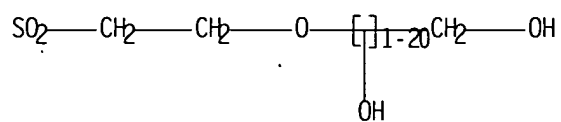
RN 92876-12-5 CAPLUS

CN Methanol. [sulfonylbis(ethyleneoxy)]di- (7CI) (CA INDEX NAME)



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L7 STR.



Structure attributes must be viewed using STN Express query preparation.

L9 0 SEA FILE=REGISTRY SSS FUL L7

100.0% PROCESSED 8979 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01